(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 18 November 2004 (18.11.2004)

PCT

(10) International Publication Number WO 2004/099664 A1

(51) International Patent Classification⁷: C09K 11/06, 11/08

F21K 2/00,

(21) International Application Number:

PCT/IB2004/050564

(22) International Filing Date:

3 May 2004 (03.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03101289.1

9 May 2003 (09.05.2003) EP

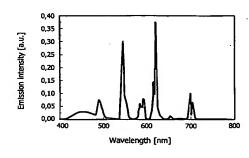
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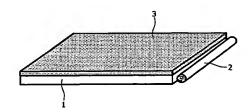
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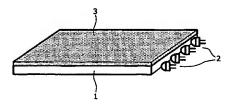
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

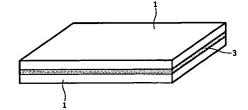
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(54) Title: UV LIGHT SOURCE COATED WITH NANO-PARTICLES OF PHOSPHOR









(57) Abstract: A luminescent body is described that comprises a optical waveguide plate, a UV light source, and means for coupling the UV light into the optical waveguide plate and in which the optical waveguide plate is provided with a covering layer that contains one or more phosphors that are either applied directly or may be embedded in spherical particles of synthetic resin material. These phosphors convert UV light of a wavelength from 300 to 400 nm into visible light of a wavelength from 420 to 480 nm. The covering layer has a thickness from 10 to 5000 nm and exhibits a light reflection of < 20%.



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GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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